

Subpart C—Main and Auxiliary Machinery

§ 128.310 Fuel.

(a) Except as provided by paragraph (b) of this section, each internal-combustion engine installed on an OSV, whether for main propulsion or for auxiliaries, must be driven by a fuel having a flashpoint of not lower than 43 °C (110 °F) as determined by ASTM D 93 (incorporated by reference, see § 125.180).

(b) The use of a fuel with a flashpoint of lower than 43 °C (110 °F) must be specifically approved by the Commandant (CG-ENG), except in an engine for a gasoline-powered rescue boat.

[CGD 82-004 and CGD 86-074, 62 FR 49331, Sept. 19, 1997, as amended by USCG-2000-7790, 65 FR 58463, Sept. 29, 2000; USCG-2009-0702, 74 FR 49235, Sept. 25, 2009; USCG-2012-0832, 77 FR 59782, Oct. 1, 2012]

§ 128.320 Exhaust systems.

No diesel-engine exhaust system need meet the material requirements in § 58.10-5(d)(1)(i) of this chapter if the installation is certified as required by § 128.220(c) of this part.

Subpart D—Design Requirements for Specific Systems

§ 128.410 Ship's service refrigeration systems.

No self-contained unit either for air-conditioning or for refrigerated spaces for ship's stores need comply with § 58.20-5, 58.20-10, 58.20-15, 58.20-20(a), or 58.20-20(b) of this chapter if—

(a) The unit uses a fluorocarbon refrigerant allowed by part 147 of this chapter;

(b) The manufacturer certifies that the unit is suitable for its intended purpose; and

(c) Electrical wiring meets the applicable requirements in subchapter J of this chapter.

§ 128.420 Keel cooler installations.

(a) Except as provided by this section, each keel cooler installation must comply with § 56.50-96 of this chapter.

(b) Approved metallic flexible connections may be located below the

deepest-load waterline if the system is a closed loop below the waterline and if its vent is located above the waterline.

(c) Fillet welds may be used in the attachment of channels and half-round pipe sections to the bottom of the vessel.

(d) Short lengths of approved non-metallic flexible hose fixed by metallic or non-metallic hose-clamps may be used at machinery connections if—

(1) The clamps are of a corrosion-resistant material;

(2) The clamps do not depend on spring tension for their holding power; and

(3) Two of the clamps are used on each end of the hose, except that one clamp may be used on an end expanded or beaded to provide a positive stop against hose slippage.

(4) The clamps are resistant to vibration, high temperature, and brittleness.

[CGD 82-004 and CGD 86-074, 62 FR 49331, Sept. 19, 1997, as amended by USCG-2000-7790, 65 FR 58463, Sept. 29, 2000]

§ 128.430 Non-integral keel cooler installations.

(a) Each hull penetration for a non-integral keel cooler installation must be made through a cofferdam or at a seachest and must be provided with isolation valves fitted as close to the sea inlet as possible.

(b) Each non-integral keel cooler must be protected against damage from debris and grounding by protective guards or by recessing the cooler into the hull.

[CGD 82-004 and CGD 86-074, 62 FR 49331, Sept. 19, 1997, as amended by USCG-2000-7790, 65 FR 58463, Sept. 29, 2000]

§ 128.440 Bilge systems.

(a) Except as provided by this section, each bilge system must comply with §§ 56.50-50 and 56.50-55 of this chapter.

(b) If the steering room, engine room, centerline passageway, forward machinery space, and compartment containing the dry-mud tanks are the only below-deck spaces that must be fitted with bilge suction, the vessel may be equipped to the standards of §§ 56.50-50 and 56.50-57 of this chapter applicable

Coast Guard, DHS

§ 129.200

to a dry-cargo vessel of less than 55 meters (180 feet) in length.

§ 128.450 Liquid-mud systems.

(a) Liquid-mud piping systems may use resiliently seated valves of Category A to comply with §§ 56.20–15 and 56.50–60 of this chapter.

(b) Tanks for oil-based liquid mud must be fitted with tank vents equipped with flame screens. Vents must not discharge to the interior of the vessel.

PART 129—ELECTRICAL INSTALLATIONS

Subpart A—General Provisions

Sec.

- 129.100 General.
- 129.110 Applicability.
- 129.120 Alternative standards.

Subpart B—General Requirements

- 129.200 Design, installation, and maintenance.
- 129.210 Protection from wet and corrosive environments.
- 129.220 Basic safety.

Subpart C—Power Sources and Distribution Systems

- 129.310 Power sources.
- 129.315 Power sources for OSVs of 100 or more gross tons.
- 129.320 Generators and motors.
- 129.323 Multiple generators.
- 129.326 Dual-voltage generators.
- 129.330 Distribution panels and switchboards.
- 129.340 Cable and wiring.
- 129.350 Batteries—general.
- 129.353 Battery categories.
- 129.356 Battery installations.
- 129.360 Semiconductor-rectifier systems.
- 129.370 Equipment grounding.
- 129.375 System grounding.
- 129.380 Overcurrent protection.
- 129.390 Shore power.
- 129.395 Radio installations.

Subpart D—Lighting Systems

- 129.410 Lighting fixtures.
- 129.420 Branch circuits for lighting on OSVs of 100 or more gross tons.
- 129.430 Navigational lighting.
- 129.440 Emergency lighting.
- 129.450 Portable lighting.

Subpart E—Miscellaneous Electrical Systems

- 129.510 Lifeboat winches.
- 129.520 Hazardous areas.
- 129.530 General alarm.
- 129.540 Remote stopping-systems on OSVs of 100 or more gross tons.
- 129.550 Power for cooking and heating.
- 129.560 Engine-order telegraphs.

AUTHORITY: 46 U.S.C. 3306; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGD 82-004 and CGD 86-074, 62 FR 49332, Sept. 19, 1997, unless otherwise noted.

Subpart A—General Provisions

§ 129.100 General.

This part contains requirements for the design, construction, and installation of electrical equipment and systems including power sources, lighting, motors, miscellaneous equipment, and safety systems.

§ 129.110 Applicability.

Except as specifically provided in this subchapter, electrical installations on OSVs must comply with subchapter J of this chapter.

[CGD 82-004 and CGD 86-074, 62 FR 49332, Sept. 19, 1997, as amended by USCG-2010-0759, 75 FR 60003, Sept. 29, 2010]

§ 129.120 Alternative standards.

(a) An OSV of 19.8 meters (65 feet) in length or less may meet the following requirements of the American Yacht and Boat Council Projects, where applicable, instead of § 129.340 of this part:

(1) E-1, Bonding of Direct Current Systems.

(2) E-8, AC Electrical Systems on Boats.

(3) E-9, DC Electrical Systems on Boats.

(b) An OSV with an electrical installation operating at a potential of less than 50 volts may comply with 33 CFR 183.430 instead of § 129.340 of this part.

Subpart B—General Requirements

§ 129.200 Design, installation, and maintenance.

Electrical equipment on a vessel must be designed, installed, and maintained to—